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1 In praise of computing
◆ D. A. B. Lindberg
December 1987 Proceedings of ACM conference on History of medical informatics
Publisher: ACM
Full text available: 📄 Pdf (499.50 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 17, Downloads (12 Months): 132, Citation Count: 0

I shall describe briefly some early work in applying computing systems to clinical laboratory, diagnosis, and medical records problems. If we compare the early work w what can be done now, we shall see many examples of enormous improvements in speed ...

2 ICC++—a C++ dialect for high performance parallel computing
◆ Andrew A. Chien
April 1996 SIGAPP Applied Computing Review , Volume 4 Issue 1
Publisher: ACM
Full text available: 📄 Pdf (432.16 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 31, Citation Count: 0

ICC++ is a new concurrent C++ dialect which supports a single source code for sequential and parallel program versions, the construction of concurrent data abstractions, convenient expression of irregular and fine-grained concurrency, and hi performance ...

3 The UCLA Brain Research Institute data processing laboratory
◆ T. Estrin
December 1987 Proceedings of ACM conference on History of medical informatics
Publisher: ACM
Full text available: 📄 Pdf (1.09 MB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 80, Citation Count: 0

The Brain Research Institute is an interdisciplinary research unit of the UCLA Medical School, supporting basic research in fields which contribute to an understanding of br mechanisms and behavior. In 1960 the School of Medicine was relatively young, ...

4 Special Editor's Note
◆ Susan L. Graham
January 1977 **Journal of the ACM (JACM)** , Volume 24 Issue 1
Publisher: ACM
Full text available: 📄 Pdf (93.07 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 22, Citation Count: 0

Three ACM symposia on Principles of Programming Languages, jointly sponsored by SIGACT and SIGPLAN, have now been held. The first symposium was in October 197: the second in January 1975, and the third the following year. It is now planned that the ...

5 A communications device for the severely handicapped
G. C. Vanderheiden, D. F. Lamers, A. M. Volk, C. D. Geisler
August 1973 **ACM'73:** Proceedings of the annual conference
Publisher: ACM
Full text available: Pdf (102.46 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citation Count: 0

A student initiated project has led to the use of a new technique and the developmen a new device which can provide a means of communication for severely handicapped people, especially useful for those who are both mute and unable to use a typewriter

6 The space station information system and software support environment
C. W. Pittman
April 1988 **ICSE '88:** Proceedings of the 10th international conference on Software engineering
Publisher: IEEE Computer Society Press
Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

The Space Station will be a large, permanent, multi-purpose facility with comfortable living quarters for a crew of up to eight people. It will consist of four habitable modul and a truss to which payloads which do not require human involvement can ...

7 An intelligent procedure assistant built using REGULUS 2 and ALTERF
Manny Rayner, Beth Ann Hockey, Jim Hieronymus, John Dowding, Greg Aist, Susana Ea
July 2003 **ACL '03: Proceedings of the 41st Annual Meeting on Association for Computational Linguistics - Volume 2** , Volume 2
Publisher: Association for Computational Linguistics
Full text available: Pdf (70.41 KB) Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 13, Citation Count: 0

We will demonstrate the latest version of an ongoing project to create an intelligent procedure assistant for use by astronauts on the International Space Station (ISS). T system functionality includes spoken dialogue control of navigation, coordinated ...

8 NEATER2: a PL/I source statement reformatter
Kenneth Conrow, Ronald G. Smith
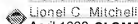November 1970 **Communications of the ACM** , Volume 13 Issue 11
Publisher: ACM
Full text available: Pdf (733.37 KB) Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 19, Citation Count: 8

NEATER2 accepts a PL/I source program and operates on it to produce a reformatted version. When in the LOGICAL mode, NEATER2 indicates the logical structure of the source program in the indentation pattern of its output. Logic errors discovered through ...

Keywords: documentation aid, execution time usage data, logical analysis of PL/I source, reformatting of PL/I source

9 Performance analysis of a fault tolerant computer system

Lionel C. Mitchell

April 1990 **SIGMETRICS '90:** Proceedings of the 1990 ACM SIGMETRICS conference on Measurement and modeling of computer systems

Publisher: ACM

Full text available: Pdf (222.99 KB) Additional Information: full citation, abstract, index terms
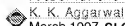
Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 41, Citation Count: 0

This paper presents the description of an analytical queueing network model of a Tandem computer system in the FAA Remote Maintenance Monitoring environment a performance analysis of the Maintenance Processor Subsystem for the 1990s time fra The ...

Also published in:
April 1990 **SIGMETRICS Performance Evaluation Review** Volume 18 Issue 1

10 A tool for the collection of industrial software metrics data

K. K. Aggarwal

March 1997 **SIGSOFT Software Engineering Notes**, Volume 22 Issue 2

Publisher: ACM

Full text available: Pdf (368.92 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 41, Citation Count: 0

A tool has been designed under Windows 3.1, which converts a 'C' software to its abridged version that lists program characteristics of interest to the metric researche These characteristics may be operators, operands lists, their frequency of occurrence ...

11 A comparison of the effects of structured vs. non-structured and modularized vs. non-modularized programs on run time (abstract only)

Domenick J. Pinto, Sandra K. Honda

February 1987 **CSC '87:** Proceedings of the 15th annual conference on Computer Science

Publisher: ACM

Full text available: Pdf (86.48 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 2, Citation Count: 0

This paper presents the basis for analytical research, examining the various effects o modifying or amending a particular program in both its basic structure and its degree modularity on its ultimate run time. We begin with a program which produces ...

12 Transactions for concurrent object-oriented programming systems

G. E. Kaiser

April 1989 Proceedings of the 1988 ACM SIGPLAN workshop on Object-based concurrent programming

Publisher: ACM

Full text available: Pdf (501.12 KB) Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 27, Citation Count: 0

Concurrent object-oriented programming systems (COOPS) require support for fault tolerance, concurrency control, consistent commitment of changes and program-initia rollback. It is sometimes suggested that the classical transaction processing model ..

Also published in:
April 1989 **SIGPLAN Notices** Volume 24 Issue 4

13 Example-based hinting of true type fonts

Douglas E. Zongker, Geraldine Wade, David H. Salesin
July 2000 **SIGGRAPH '00:** Proceedings of the 27th annual conference on Computer
graphics and interactive techniques
Publisher: ACM Press/Addison-Wesley Publishing Co.

Full text available: Pdf (299.44 KB) Additional Information: full citation, abstract, references, cited by, in terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 52, Citation Count: 2

Hinting in TrueType is a time-consuming manual process in which a typographer crea a sequence of instructions for better fitting the characters of a font to a grid of pixels this paper, we propose a new method for automatically hinting TrueType ...

Keywords: automatic hinting, digital typography, gridfitting, shape matching

14 The Share 709 System: Input-Output Translation
Vincent J. DiGri, Jane E. King
April 1959 **Journal of the ACM (JACM)**, Volume 6 Issue 2
Publisher: ACM
Full text available: Pdf (233.41 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 31, Citation Count: 0

The 709 System Committee agreed from the start that the system, to be complete, should contain some provision for input and output translation at the program execut or customer level. The big problem was to specify a translation system that every ...

15 Inheritance semantics for computer-aided design databases
Randy H. Katz
September 1986 **OODS '86:** Proceedings on the 1986 international workshop on Object-
oriented database systems
Publisher: IEEE Computer Society Press
Full text available: Pdf (103.58 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 7, Citation Count: 0

A number of papers have appeared recently that present object-oriented data models structuring computer-aided design databases. A key aspect of these is support for so notion of property inheritance, often adopted from Smalltalk-80's object model. ...

16 DECALS: distributed experiment control and logging system
Alex Hubbard, C. Murray Woodside, Cheryl Schramm
November 1995 **CASCON '95:** Proceedings of the 1995 conference of the Centre for
Advanced Studies on Collaborative research
Publisher: IBM Press
Full text available: Pdf (287.39 KB) Additional Information: full citation, abstract, references, cited by, in terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 5, Citation Count: 2

In developing distributed applications and services there is a need to be able to set u and run tests on a set of processes. The experiment might be to obtain performance data, to test the processes' behaviour, or to evaluate an application management ...

17 Chief programmer team management of production programming
F. T. Baker
January 1979 Classics in software engineering
Publisher: Yourdon Press
Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

As is evident from some of the other material reprinted in this book, much of the ear discussion about structured programming and the related techniques was conducted academic people and was published in scholarly journals, thus escaping the attention

18 Concurrent meld
G. E. Kaiser
April 1989 Proceedings of the 1988 ACM SIGPLAN workshop on Object-based concurrent programming
Publisher: ACM
Full text available: Pdf (293.04 KB) Additional Information: full citation, abstract, references, cited by, in terms

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 7, Citation Count: 1

Our original goal was to design a programming language for writing software enginee environments. The most important requirements were reusability and the ability to integrate separately developed tools [1]. Our scope was later expanded to general ...

Also published in:
April 1989 **SIGPLAN Notices** Volume 24 Issue 4

19 Software process support through software configuration management
Peter P. FEILER
October 1990 Proceedings of the 5th international software process workshop on Experie with software process models
Publisher: IEEE Computer Society Press
Full text available: Pdf (258.73 KB) Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 53, Citation Count: 0

Software development embodies a range of software processes. Such processes can captured in software process models. Two of the reasons for describing software processes through models are to document and communicate a particular process to others, ...

20 The Share 709 System: Machine Implementation of Symbolic Programming
E. M. Boehm, T. B. Steel, Jr.
April 1959 **Journal of the ACM (JACM)** , Volume 6 Issue 2
Publisher: ACM
Full text available: Pdf (388.52 KB) Additional Information: full citation, abstract, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 44, Citation Count: 2

As emphasized in the preceding paper, a fundamental requirement for effective utilization of high speed computing devices such as the 709 is a man-machine communication link that is at once rapid and unambiguous. Use of symbolic language with conventional ...